OILFIELD RESEARCH LABORATORIES
536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

November 20, 1982

Graybol-Patton Company
Suite 301, Holarud Building
10 East 3rd Street
Tulsa, Oklahoma 74103

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Bates Lease, Well No. 16, located in Section 1, T-29S, R-14E, Wilson County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on November 17, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

5 c to Tulsa, Okalhoma

LOG

Company Graybol-Patton Company Lease Bates Well No. 16

Depth Interval, Feet	Description
	BARTLESVILLE SANDSTONE
1045.0 - 1045.6	Gray shale.
1045.6 - 1045.9	Grayish brown shaly sandstone.
1045.9 - 1046.7	Dark brown sandstone.
1046.7 - 1047.0	Gray shale.
1047.0 - 1049.7	Brown sandstone.
1049.7 - 1051.2	Grayish brown shaly sandstone.
1051.2 - 1051.5	Gray shale.
1051.5 - 1052.0	Grayish brown slightly shaly sandstone.
1052.0 - 1055.2	Brown sandstone.
1055.2 - 1055.5	Brown sandstone with scattered gray shale nodules.
1055.5 - 1056.6	Brown sandstone.
1056.6 - 1058.8	Grayish brown very shaly sandstone.
1058.8 - 1063.1	Brown sandstone.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Graybol-Patton Company Lease Bates Well No. 16

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	1045.7	14.9	35	27	62	405	5.6
2	1046.4	17.8	37	23	60	511	137.
3	1047.5	15.2	26	37	63	307	14.
4	1048.6	15.4	44	30	74	526	18.
5	1049.6	16.1	53	26	79	662	27.
6	1050.5	14.1	53	23	76	580	5.4
7	1051.6	15.5	42	40	82	505	7.2
8	1052.4	15.7	39	38	77	475	24.
9	1053.5	14.8	37	44	81	425	25.
10	1054.5	17.5	40	50	90	543	24.
11	1055.3	15.5	46	30	76	553	58.
12	1056.5	14.8	43	29	72	494	26.
13	1057.4	14.1	45	44	89	492	0.52
14	1058.4	11.4	23	71	94	203	0.50
15	1059.4	14.6	49	29	78	555	15.
16	1060.4	15.2	41	39	80	484	18.
17	1061.3	19.5	40	42	82	605	113.
18	1062.5	19.5	42	44	86	648	145.